

1) The amendment/substitute specification filed **7/11/2008** is acknowledged.

2) The drawings were received on **7/11/2008**. These drawings are acceptable.

3) Claims **14-29** are allowed.

The data storage device for storing digital information in a readable form comprises one or more memory elements, each memory element comprising a planar magnetic conduit capable of sustaining and propagating a magnetic domain wall formed into a continuous propagation track, wherein each continuous track is provided with at least one inversion node whereat the magnetization direction of a domain wall propagating along the conduit under action of an applied field is changed, each inversion node comprising a portion in which a direction change away from the an initial path and a subsequent direction change back to the initial path are provided in the conduit such that no direct propagation path is possible across a deviating portion, as recited in the independent claims, are not found or suggested in the prior art of record.

4) The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Form **PTO-892** is attached herein.

5) Any inquiry concerning this communication or earlier communications from the examiner should be directed to **TAN Xuan DINH** whose telephone number is **(571)272-7586**. The examiner can normally be reached on **MONDAY to FRIDAY** from **9:00AM** to **5:00PM**.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the **Patent Application Information Retrieval (PAIR)** system. Status information for published applications may be obtained from either **Private PAIR** or **Public PAIR**. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC)** at **866-217-9197** (toll-free). If you would like assistance from USPTO customer Service Representative or access to the automated information system, call **800-786-9191** (in USA or Canada) or **571-272-1000**.

/TAN Xuan DINH/
Primary Examiner, Art Unit 2627
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